

Application No.: 10/565,994

Docket No.: JCLA19238

AMENDMENTSIn The Claims:

Please amend the claims as follows:

1. (original) A fixer for a fiber bragg grating sensor S to measure a strain of an object to be measured, the fixer including a pair of fixing pieces 3 for securing the fiber bragg grating sensor S to the object, wherein each of the fixing pieces 3 has a sensor holding groove 3b at a bottom surface of the fixing piece, and a tube receiving portion 3a protruded from one side of the fixing piece, which communicates with the sensor holding groove 3b; a tube 2 enclosing the fiber bragg grating sensor S is disposed between the pair of fixing pieces 3, such that both ends of the tube 2 are detachably secured to each of the tube receiving portions 3a of the fixing pieces 3 by a fastening member 4; and the fiber bragg grating sensor S is inserted into the tube 2, and both ends of the fiber bragg grating sensor S are firmly secured to the sensor holding groove 3b of the fixing piece 3 by an adhesive F.
2. (original) The fixer as claimed in claim 1, further comprising a cover 6 for closing the sensor holding groove 3b of the fixing piece 3.
3. (currently amended) The fixer as claimed in claim 1, wherein [[the fixing means]]each of the fixing pieces includes [[a]]the tube receiving portion protruded from each side of the fixing pieces, a threaded hole is formed on an upper portion of the tube receiving portion for exposing a side surface of the tube, and a fastening bolt is threadedly engaged with the threaded hole for selectively compressing and fastening the tube from the side surface.

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4. (original) The fixer as claimed in claim 1, wherein the sensor holding groove 3b is formed with at least one anti-slip groove 3c at an inner side thereof, so that when the adhesive F filled in the sensor holding groove is hardened, it prevents a clearance form being produced in the sensor holding groove 3b due to a coefficient of linear expansion between the fixing piece 3 and the adhesive F.

5. (original) The fixer as claimed in claim 1, further comprising a fixing plate 7 attached to the object to be measured, so that the fixing piece 3 is detachably secured to the fixing plate 7 of the object by a fastening member 5.

6. (original) The fixer as claimed in claim 1, wherein the tube 2 inserted into the tube receiving portion 3a is provided at both ends thereof with a tap 8 to easily prevent a rotation of the tube and maintain a horizontal state thereof.